



**MMA-350C/M**



# **USER MANUAL**

## **Dough Molder**

Models  
**MMA-350C/M**



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- ALÉM DESTAS MÁQUINAS, FABRICAMOS UMA LINHA COMPLETA DE EQUIPAMENTOS. CONSULTE SEU REVENDEDOR.  
- ESTE PRODUTO CONTA COM ASSISTÊNCIA TÉCNICA, REPRESENTANTES E REVENDEDORES EM TODO TERRITÓRIO NACIONAL.  
DEVIDO À CONSTANTE EVOLUÇÃO DOS NOSSOS PRODUTOS, AS INFORMAÇÕES AQUI CONTIDAS PODEM SER MODIFICADAS SEM AVISO PRÉVIO.

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Table - 02

<i>Problems</i>	<i>Causes</i>	<i>Solution</i>
Smoke or burnt smell	Problem with the motor or other electrical parts	* Call Technical Assistance.
The machine turns on but takes too long to spin	Belts not well Tightened	* Call Technical Assistance.
Strange noises	Defective ball bearings	* Call Technical Assistance.
The machine stops during operation	Lack of electricity	* Check if the plug is connected to the power point and/or if there is electric energy
	Belts not well Tightened	* Call Technical Assistance.
	Bad connection on the ON / OFF switch or protection plate.	* Call Technical Assistance.

## 1. Introduction

### 1.1 Safety

When misused, the Dough Molders can be potentially DANGEROUS. Maintenance, cleaning or any other service on this machine must be made only by properly trained technicians and the power plug must be disconnected. For your safety, the following instructions must be followed in order to avoid accidents:

- Ø Unplug the machine when you need to remove any removable part during cleaning, maintenance or any other operation.
- Ø Never make use of any tool or instrument that is not originally part of the machine during any operation.
- Ø Before turning the machine on, make sure all the removable parts are firm on their positions.
- Ø Never use water jets directly upon the machine.
- Ø Never use clothes with wide sleeves, especially on the wrists during the operation.
- Ø Keep hands away from any spinning parts.
- Ø Never turn the machine on with wet hands, shoes or clothes.
- Ø When setting the machine, do not forget to make the grounding (ground wire).
- Ø The operators must have short hair or tied hair absolutely protected.
- Ø Carefully preserve this manual for any further consultation.

### 1.2 Main Components

All components of this machine were made of raw materials carefully selected for each function, according to the test patterns and Siemsen experience.

**Picture-01**

- 1 – Thickness Adjustment Maniple
- 2 – Protection Plate
- 3 – Felt
- 4 – ON / OFF Switch
- 5 – Chute



1,3 Technical Characteristics

The Dough Molder is indicated to mold Bread of several sizes, ranging from 20g until 800g.

The Dough Molder brings a felt changing system that allows changing it without disassembling the machine.

A safety system is connected to the Protection Plate, which interrupts the machine functioning when it is lifted.

Table - 01

Description		MMA-350C	MMA-350M
Voltage	[V]	110 / 220(*)	110 / 220(*)
Power Rating	[CV]	0,5	0,5
Consumtion	[kW/h]	0,37	0,37
Height/Width/Depth	[mm]	1105 x 580 x 980	330 x 580 x 600
Net/Gross Weight	[kg]	67,5 / 85	50 / 60
Molding capacity	[g]	de 20 a 800	de 20 a 800

(\*) The voltage and the frequency will be according to the machine motor nominal.

2. Installation

2.1 Installation

The Dough Molders mod. MMA-350C and MMA-350M, must be installed upon a flat and firm surface.

The power cord has two flat pins and a round pin, which is the grounding – ground wire. It is mandatory that the three pins are properly connected, before switching the equipment on.

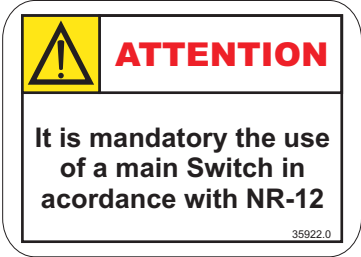
Before turning the machine on, check if the voltage of the power source and the machine are the same (110 or 220 Volts).

3. Operation

3.1 Starting

The starting of the machine is made through the ON / OFF Switch, located on the right side of the machine (nº. 4 Pic.01).

**Note :** The machine only switches on with the Protection Plate (nº. 2 Pic.01) lowered.



Only trained or skilled personnel shall operate this machine.

Never touch the spinning parts of the machine in operation.

NEVER operate machine without all original safety devices in perfect condition.

4.5 After Finishing the Work

4.5.1 Precautions

Keep the machine clean. Always TURN THE MACHINE OFF by removing the plug from the socket before cleaning it.

Never clean the machine unless it has come to a complete stop.

Put all components back to their functional positions before turning it ON again.

DO NOT place your fingers in between belts and pulleys nor chains and gears.

4.6 Maintenance Operation.

4.6.1 Danger

Every maintenance operation is dangerous when the machine is ON. TURN IT OFF BY PULLING THE PLUG OFF THE SOCKET DURING MAINTENANCE.

**IMPORTANT**

**Always remove the plug from the power point in any case of emergency.**

4.6.2 Advices

Electrical or mechanical maintenance has to be undertaken by qualified personnel.

Person in charge has to be sure that the machine is under TOTAL SAFETY conditions when working.

5 Analysis and Problems Solving

5.1 Problems, causes and solutions

The Dough Molders were designed to operate with minimum maintenance. However, some irregularities may occur during its operation, due to the natural wear out caused by the equipment use.

If there is any problem with your machine, check the Table-02 bellow, where you will find some recommended possible solutions.

### 4.2.3 Precautions

The electric cable has to be compatible with the power required by the machine.

Cables touching the floor or close to the machine, need to be protected against short circuits.

The oil reservoir must be filled up to the indicated level. Check and add oil if necessary.

## 4.3 Routine Inspection

### 4.3.1 Warning

When checking the tension of the belts or chains, DO NOT introduce your fingers between the belts and the pulleys and nor between the chain and the gears.

### 4.3.2 Precautions

Check the motor and turning or sliding parts of the machine, in case of abnormal noises.

Check the tension of the belts and chains and replace the set when belt, chain or gears show signs of being worn out.

When checking tension of belts or chain, DO NOT introduce your fingers between belts and pulleys, nor between the chains and gears.

Check protections and safety devices to make sure they are working properly.

## 4.4 Operation

### 4.4.1 Warning

Do not operate the machine with long hair, which might touch any part of the machine, because it may lead to serious accidents. Tie your hair up well and/or cover your hair with a scarf.

## 3.2 Operation Instructions

You have just acquired a DOUGH MOLDER for bread, model MMA-350C or MMA-350M. To operate it and make good use of what it offers in terms of quality, durability and efficiency with safety, find below some important instructions:

- 1- Firstly read the technical table.
- 2- Make sure the voltage of the machine and of the power source are the same. Always connect the machine ground wire to ground.
- 3- NEVER touch the ROLLS, when the machine is in operation. The rolls may cause SERIOUS INJURIES to fingers.
- 4- NEVER do the cleaning, lubrication, or touch the machine in operation. For your safety, unplug it from the power source.
- 5- NEVER touch the machine with wet hands, shoes or clothes. Non compliance with this recommendation may cause ELECTRICAL SHOCKS or even the DEATH to the user.
- 6- To adjust the dough thickness, rotate the maniple n°.01 (Pic-1) and place it on the desired thickness, by means of the scale label, where each division represents 0,5mm.

## 3.3 Cleaning

**IMPORTANT**  
**Never do the cleaning with the machine connected to the Power source.**  
**To clean, unplug it.**

**IMPORTANT**  
**Never use water jets directly on the machine.**

-Use a wet cloth and neutral soap to clean the equipment. Any cleaning operation must be made with the machine unplugged from the power point.

-The fabrics / felts of the molders must be cleaned daily with a brush.

- The 3 (three) fabrics / felts of the molder must be replaced every 6 (six) months (Picture 02, N° 01- 02 and 03). The replacement must be made by qualified personnel.

**Important Note: The durability of the fabrics / felts depends on the kind of dough being processed. When the machine processes dough with more oil, it will need fabrics / felts replacement more often.**

**Picture-02**



## 4. General Safety Practices

The following safety instructions are addressed to both the operator of the machine as well as the person in charge of maintenance.

The machine has to be delivered only in perfect conditions of use by the Distributor to the user. The user shall operate the machine only after being well acquainted with the safety procedures, and after reading carefully the entire manual.

### 4.1 Basic Operation Practices

#### 4.1.1 Dangers

Some areas of the electric device have parts and terminals that are connected to high voltage. These parts when touched may cause severe electrical shocks or even be lethal.

Never touch manual commands such as switches, buttons, keys and knobs with wet hands, wet clothes and/or wet shoes. By not following these instructions, operator could be exposed to severe electrical shocks or even to a fatal situation.

#### 4.1.2 Warnings

The operator has to be well familiar with the position of ON/OFF Switch to make sure the Switch is easy to be used when necessary.

Before any kind of maintenance, physically remove the plug from its socket.

Provide space for a comfortable operation thus avoiding accidents.

Water or oil spilled on the floor will turn it slippery and dangerous. Make sure the floor is clean and dry.

Never use a manual command (switch, buttons, lever) unadvisedly.

If any work is to be made by two or more persons, coordination signs will have to be given for each operation step. Every step of the operation shall be taken only if a sign has been made and responded.

#### 4.1.3 Advices

In case of power shortage, immediately turn the machine OFF.

Use recommended or equivalent lubricants, oils or greases.

Avoid mechanical shocks as they may cause failures or malfunction.

Avoid penetration of water, dirt or dust into mechanical or electrical components of the machine.

DO NOT MODIFY the original characteristics of the machine.

DO NOT REMOVE, TEAR OFF OR MACULATE any safety or identification labels of the machine. If any label has been removed or is no longer legible, contact your nearest dealer for replacement.

Read carefully the Safety and Identification Labels on the machine, as well as the use instructions and technical tables of this manual.

### 4.2 Safety Procedures and Notes before Switching Machine ON

**IMPORTANT**

**Carefully read ALL INSTRUCTIONS of this manual before turning the machine ON. Be sure to be familiar with the instructions and that you have well understood all information contained in this manual.**

**If you have any question, contact your supervisor or your nearest Dealer.**

#### 4.2.1 Danger

An electric cable or electric wire with damaged jacket or bad insulation could cause electrical shocks as well as electrical leak. Before using the equipment, check conditions of all wires and cables.

#### 4.2.2 Advices

Be sure ALL INSTRUCTIONS in this manual have been thoroughly understood. Every function and operational procedure has to be very clear to the operator.

Any manual command (switch, button or lever) shall be given only after being sure it is the correct one.